



Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

Claim 1 (Original): A geotextile/polyurethane composite comprising: one or more geotextiles substantially impregnated with a one-component heterogeneous liquid polyurethane composition comprising,

- i) an isocyanate groups containing solid dispersed in a liquid isocyanate reactive compound,

or

- ii) a solid isocyanate reactive compound dispersed in a liquid isocyanate, isocyanate adduct, or isocyanate terminated prepolymer,

optionally catalysts, viscosity adjusting additives, solvents, surfactants, crosslinking agents, pigments, fillers, and other additives.

Claim 2 (Original): A liner for irrigation canals and ditches comprising the geotextile/polyurethane composite according to Claim 1.

Claim 3 (Original): The geotextile/polyurethane composite according to Claim 1 having an elongation of at least about 5 % and a tensile strength of at least about 200 psi.

Claim 4 (Original): The geotextile/polyurethane composite according to Claim 1, wherein the water absorption is less than about 10 % by weight.

Claim 5 (Cancelled).

Claim 6 (Original): The geotextile/polyurethane composite according to Claim 1, wherein the one or more geotextiles are substantially impregnated with the one-component heterogeneous liquid polyurethane composition such that the amount of polymer present in the composite ranges from about 0.2 kg to about 20 kg of polymer per square meter of geotextile.

Claim 7 (Original): The geotextile/polyurethane composite according to Claim 1, wherein the one or more geotextiles are impregnated with the one-component heterogeneous liquid polyurethane composition such that the amount of polymer present in the composite ranges from about 0.5 kg to about 5 kg of polymer per square meter of geotextile.

Claim 8 (Original): The geotextile/polyurethane composite according to Claim 1 having a thickness of from about 40 microns to about 500 microns.

Claim 9 (Original): A process of forming a geotextile/polyurethane composite comprising the steps of:
impregnating one or more geotextiles substantially with a one component heterogeneous liquid polyurethane composition comprising,

- i) an isocyanate groups containing solid dispersed in a liquid isocyanate reactive compound,

or

- ii) a solid isocyanate reactive compound dispersed in a liquid isocyanate, isocyanate adduct, or isocyanate terminated prepolymer,

optionally catalysts, viscosity adjusting additives, solvents, surfactants, crosslinking agents, pigments, fillers, and other additives;

conforming the one or more heterogeneous liquid polyurethane impregnated geotextiles to a surface; and

applying heat or a solvent to the heterogeneous liquid polyurethane impregnated geotextile to form a geotextile reinforced polyurethane/polyurea composite.

Claim 10 (Original): The process according to Claim 9, wherein the composite is a liner for irrigation canals and/or ditches.

Claim 11 (Original): The process according to Claim 9, wherein the composite has an elongation of at least about 5 % and a tensile strength of at least about 200 psi.

Claim 12 (Cancelled).

Claim 13 (Original): The process according to Claim 9, wherein the one or more geotextiles are impregnated with the one-component heterogeneous liquid polyurethane composition such that the amount of polymer present in the composite ranges from about 1 kg to about 20 kg of polymer per square meter of geotextile.

Claim 14 (Original): The process according to Claim 9, wherein the one or more geotextiles are impregnated with the one-component heterogeneous liquid polyurethane composition that the amount of polymer present in the composite ranges from about 2 kg to about 5 kg of polymer per square meter of geotextile.

Claim 15 (Original): The process according to Claim 9, wherein the composite has a thickness of from about 40 microns to about 500 microns.

Claim 16 (Original): In a process of lining canals and ditches, the improvement comprising including the composite according to Claim 1.

Claim 17 (Original): In a process of lining canals and ditches, the improvement comprising including the composite made by the process according to Claim 9.